

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080323\
 Data File : VY014952.D
 Acq On : 03 Aug 2023 16:39
 Operator : SY/MD
 Sample : 03880-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1272

Quant Time: Aug 04 04:32:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

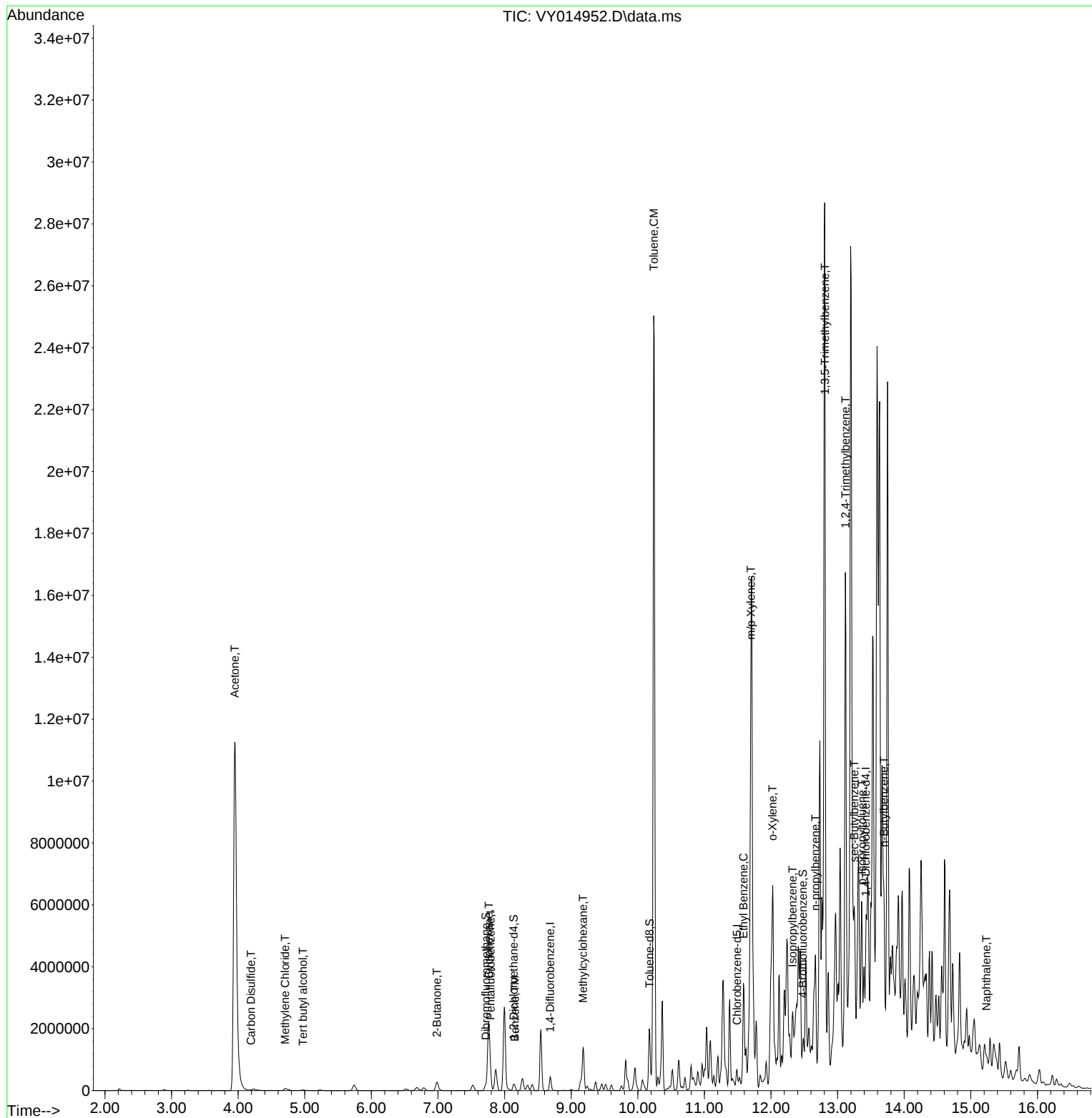
Internal Standards						
1) Pentafluorobenzene	7.789	168	217937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	375613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	327758	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	155089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	139609	56.215	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.440%	
35) Dibromofluoromethane	7.716	113	120186	50.265	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.520%	
50) Toluene-d8	10.179	98	505146	57.303	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.600%	
62) 4-Bromofluorobenzene	12.477	95	211406	62.544	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 125.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	58346	102.273	ug/l #	92
16) Acetone	3.948	43	22507062	28599.165	ug/l #	83
17) Carbon Disulfide	4.192	76	11734	1.910	ug/l	96
20) Methylene Chloride	4.704	84	48768	16.223	ug/l #	87
25) 2-Butanone	6.984	43	350449	304.381	ug/l	95
31) Cyclohexane	7.765	56	478548m	116.079	ug/l	
39) Methylcyclohexane	9.179	83	582742	125.091	ug/l	94
40) Benzene	8.155	78	58982	5.800	ug/l	100
52) Toluene	10.240	92	10876409	1671.355	ug/l	77
67) Ethyl Benzene	11.587	91	2015858	159.856	ug/l	99
68) m/p-Xylenes	11.697	106	2608022	541.789	ug/l	95
69) o-Xylene	12.026	106	1289401	275.007	ug/l	99
73) Isopropylbenzene	12.325	105	649246	53.464	ug/l	100
78) n-propylbenzene	12.666	91	2314855	158.193	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	2267656	223.599	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	7336323	737.111	ug/l	95
85) sec-Butylbenzene	13.251	105	906303	68.675	ug/l	86
86) p-Isopropyltoluene	13.367	119	450110	41.774	ug/l	98
89) n-Butylbenzene	13.696	91	1621786	154.707	ug/l #	74
95) Naphthalene	15.233	128	252839	34.588	ug/l #	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080323\
Data File : VY014952.D
Acq On : 03 Aug 2023 16:39
Operator : SY/MD
Sample : 03880-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1272

Quant Time: Aug 04 04:32:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 14 02:09:50 2023
Response via : Initial Calibration

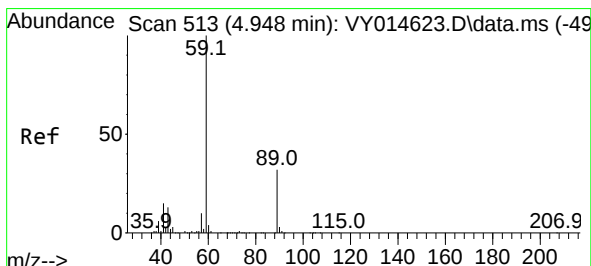
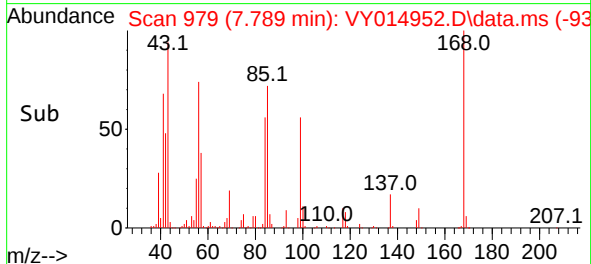
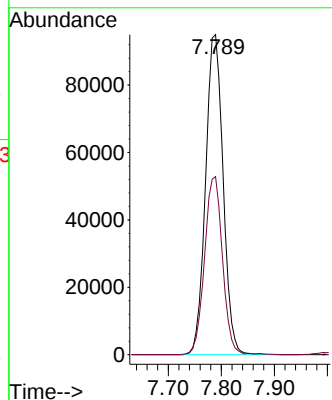
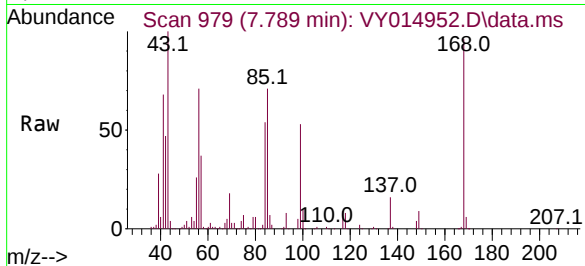




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

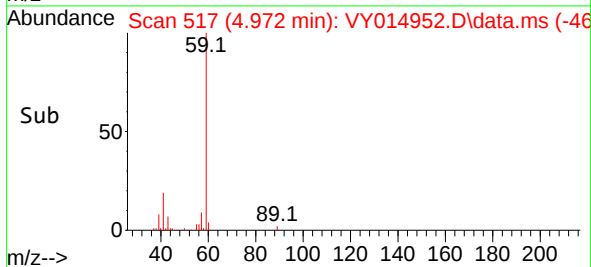
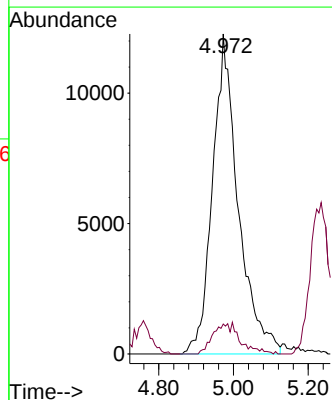
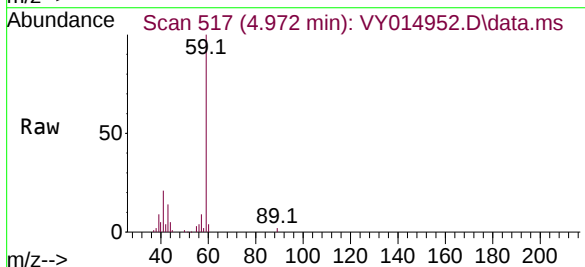
Instrument :
MSVOA_Y
ClientSampleId :
1272

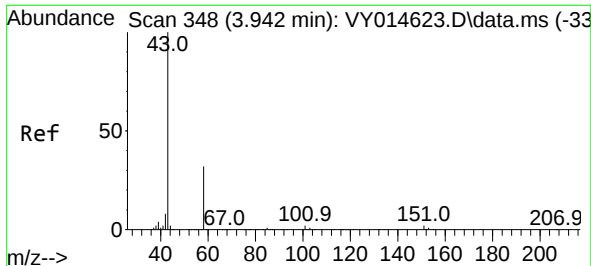
Tgt Ion:168 Resp: 217937
Ion Ratio Lower Upper
168 100
99 55.6 43.4 65.0



#11
Tert butyl alcohol
Concen: 102.273 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.024 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

Tgt Ion: 59 Resp: 58346
Ion Ratio Lower Upper
59 100
57 6.3 3.0 4.4#

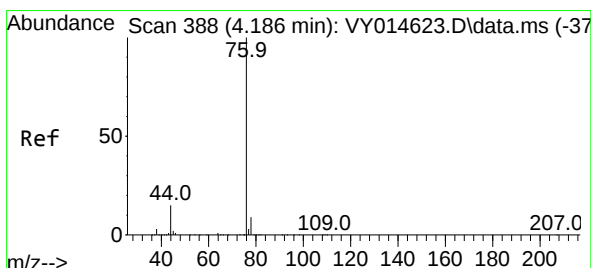
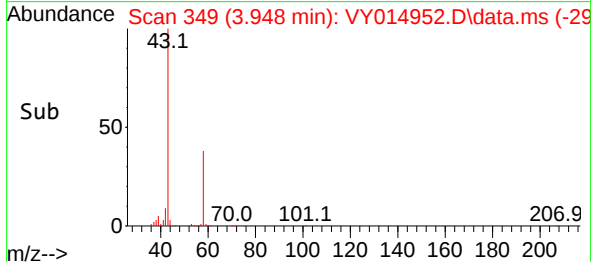
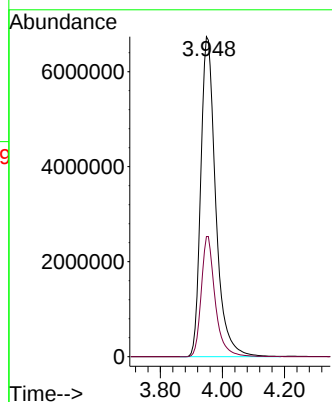
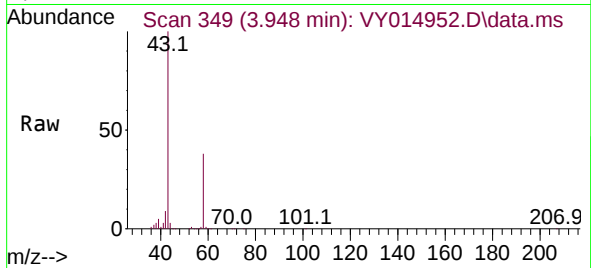




#16
Acetone
Concen: 28599.165 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

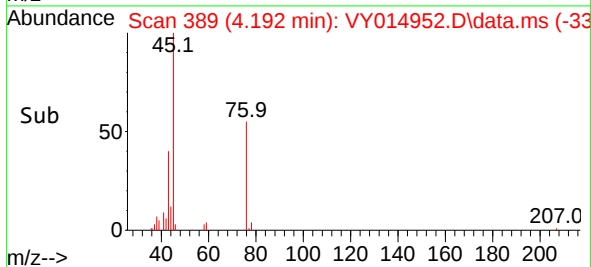
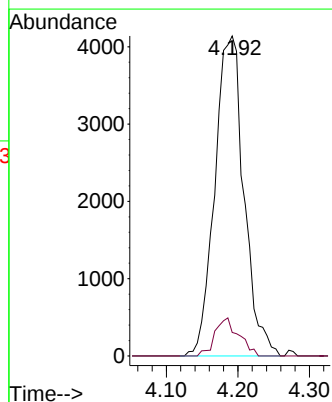
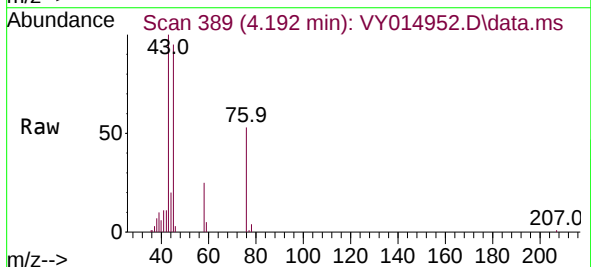
Instrument :
MSVOA_Y
ClientSampleId :
1272

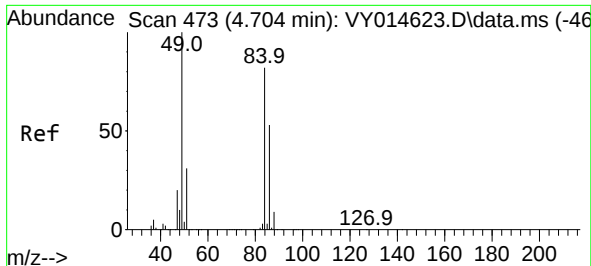
Tgt Ion: 43 Resp: 22507062
Ion Ratio Lower Upper
43 100
58 37.5 22.7 34.1#



#17
Carbon Disulfide
Concen: 1.910 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

Tgt Ion: 76 Resp: 11734
Ion Ratio Lower Upper
76 100
78 7.4 7.0 10.4

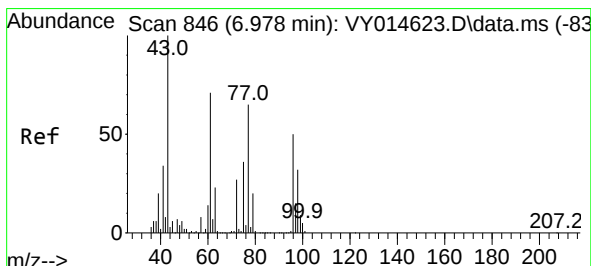
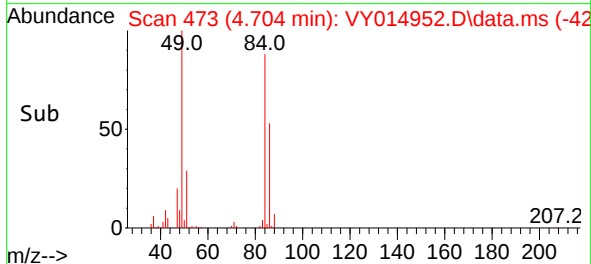
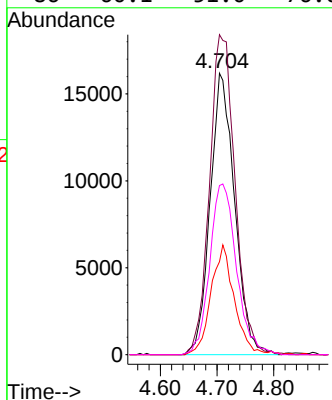
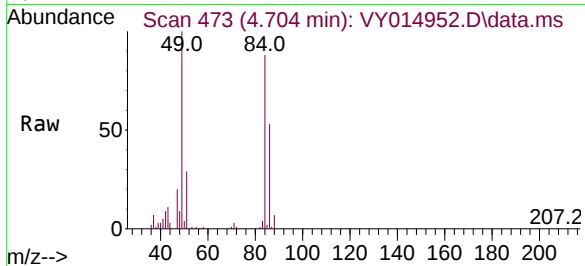




#20
Methylene Chloride
Concen: 16.223 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

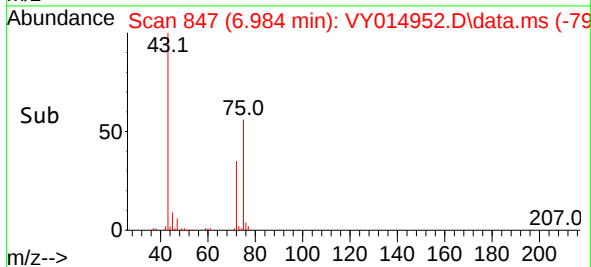
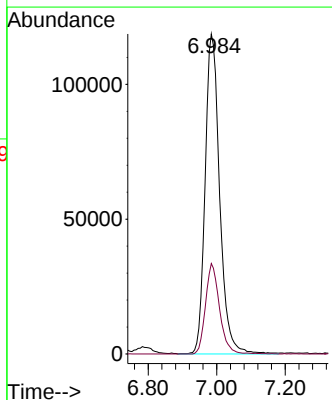
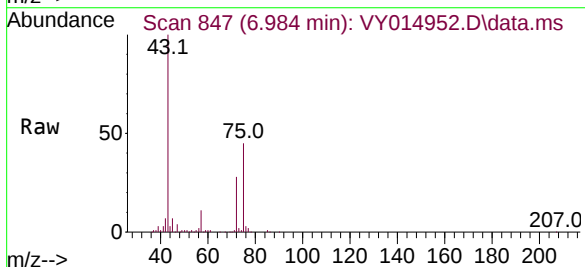
Instrument :
MSVOA_Y
ClientSampleId :
1272

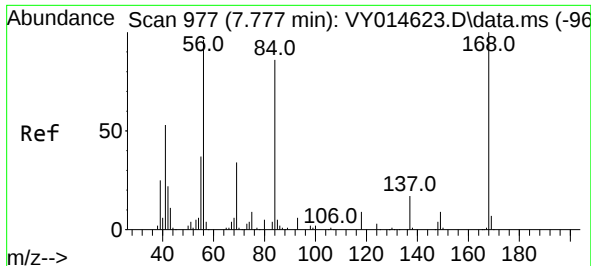
Tgt Ion: 84 Resp: 48768
Ion Ratio Lower Upper
84 100
49 113.7 106.9 160.3
51 33.0 33.2 49.8#
86 60.1 51.0 76.6



#25
2-Butanone
Concen: 304.381 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

Tgt Ion: 43 Resp: 350449
Ion Ratio Lower Upper
43 100
72 28.2 20.5 30.7

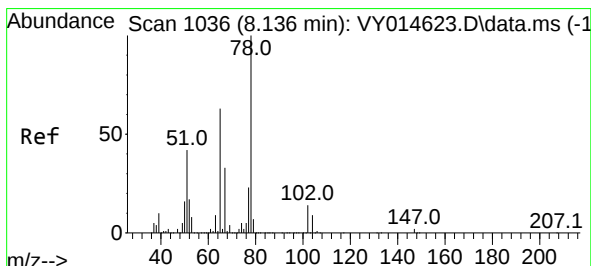
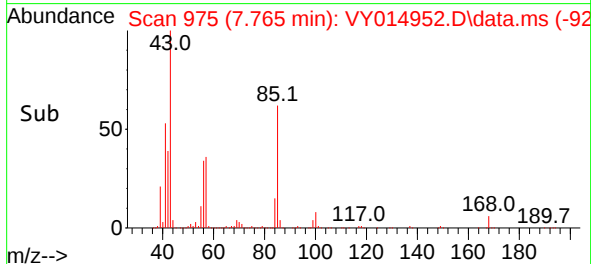
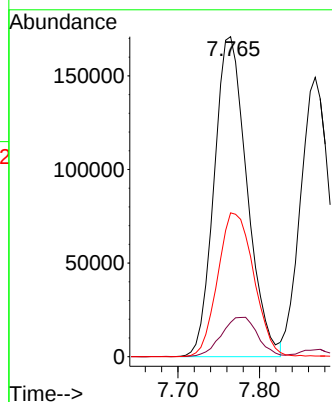
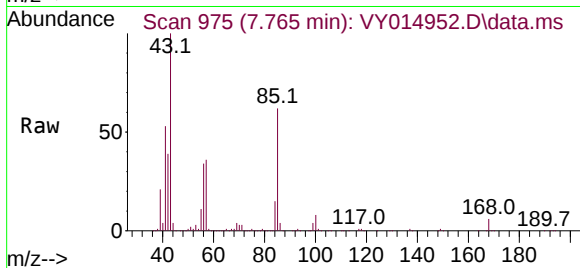




#31
Cyclohexane
Concen: 116.079 ug/l m
RT: 7.765 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

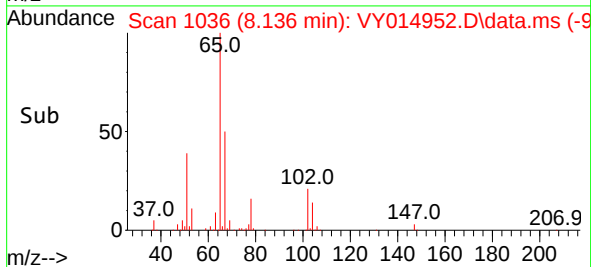
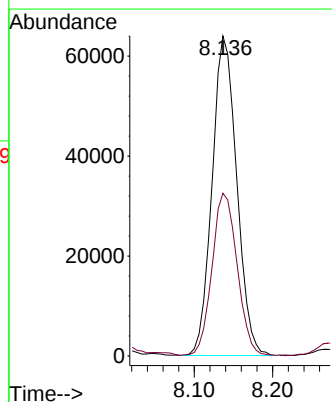
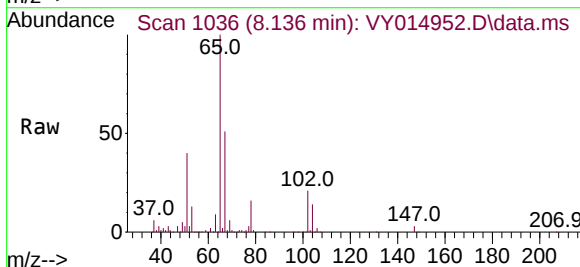
Instrument :
MSVOA_Y
ClientSampleId :
1272

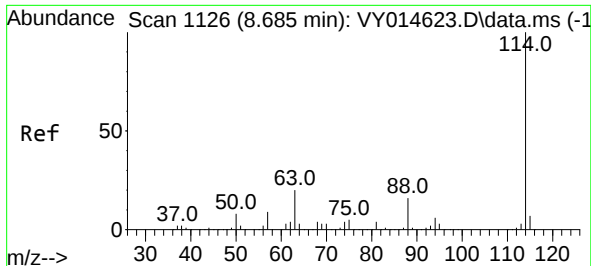
Tgt Ion: 56 Resp: 478548
Ion Ratio Lower Upper
56 100
69 10.7 27.8 41.6#
84 45.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.215 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

Tgt Ion: 65 Resp: 139609
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014952.D

Acq: 03 Aug 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

1272

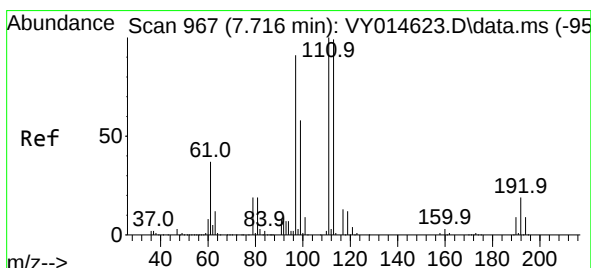
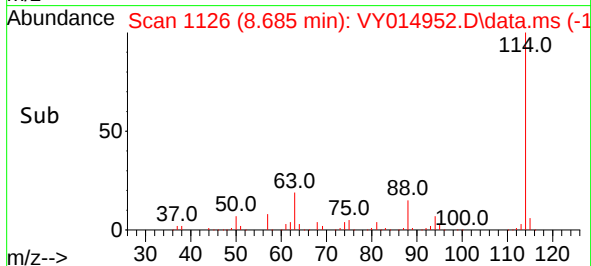
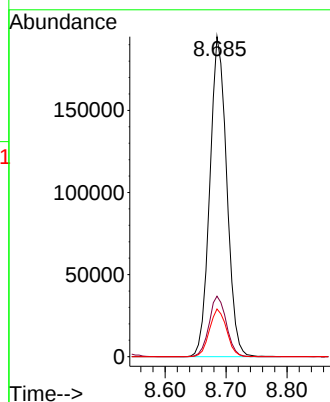
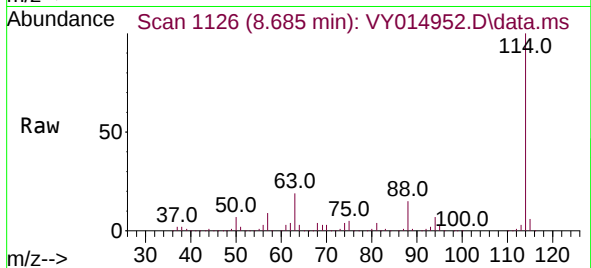
Tgt Ion:114 Resp: 375613

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.265 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014952.D

Acq: 03 Aug 2023 16:39

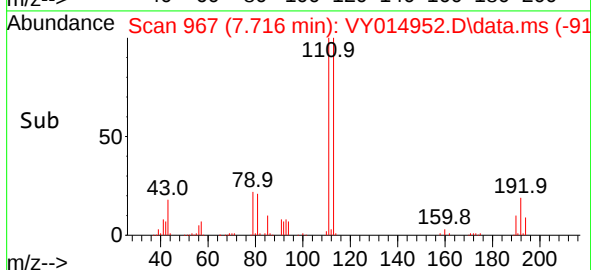
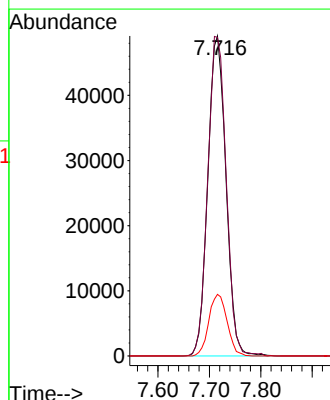
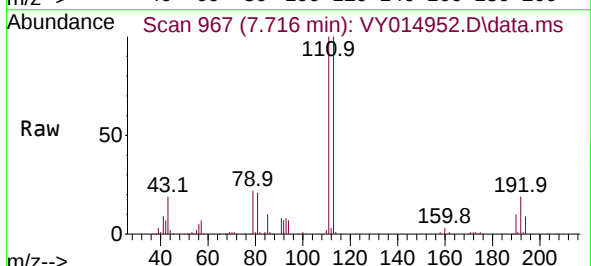
Tgt Ion:113 Resp: 120186

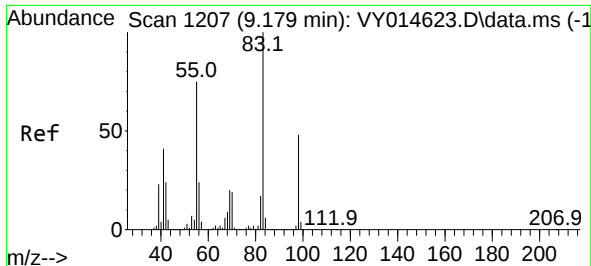
Ion Ratio Lower Upper

113 100

111 101.7 81.3 121.9

192 19.4 16.9 25.3





#39

Methylcyclohexane

Concen: 125.091 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014952.D

Acq: 03 Aug 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

1272

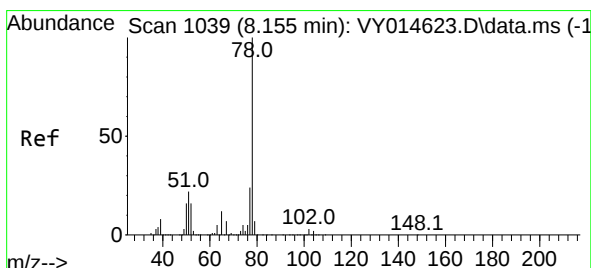
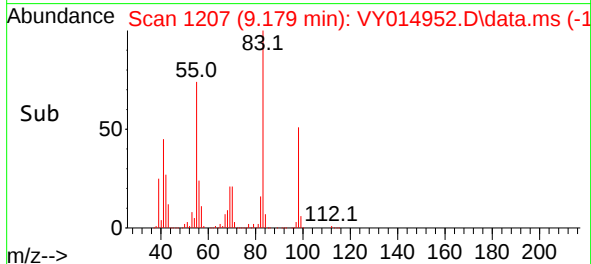
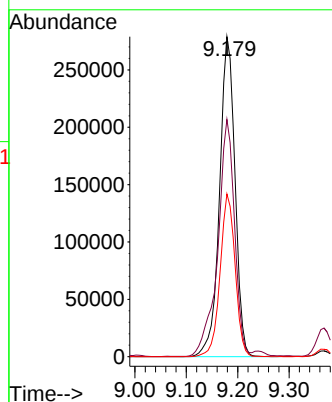
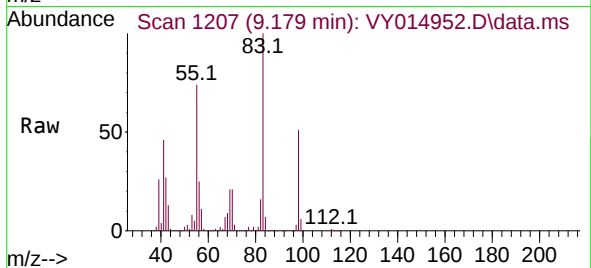
Tgt Ion: 83 Resp: 582742

Ion Ratio Lower Upper

83 100

55 74.0 63.0 94.4

98 50.9 37.4 56.2



#40

Benzene

Concen: 5.800 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY014952.D

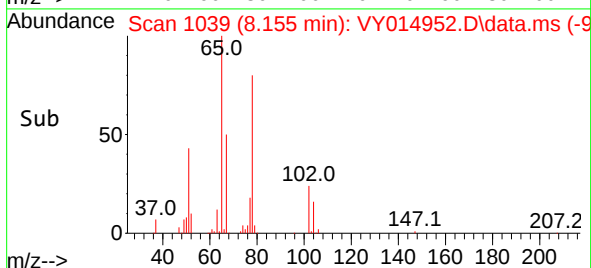
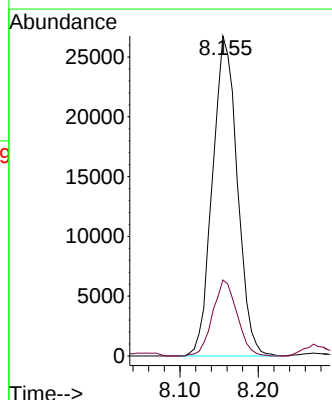
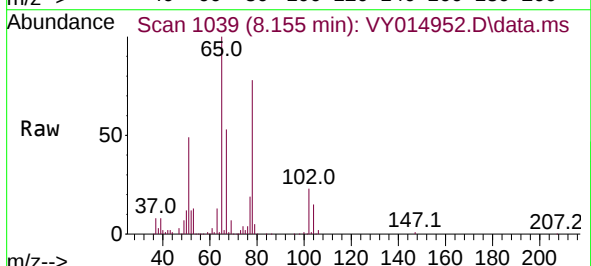
Acq: 03 Aug 2023 16:39

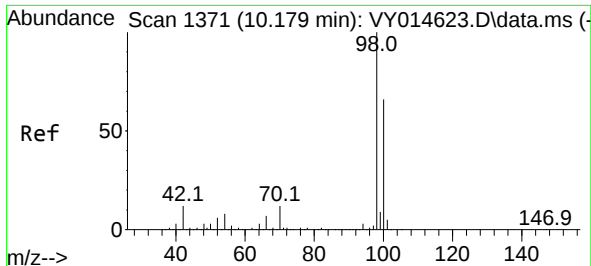
Tgt Ion: 78 Resp: 58982

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6

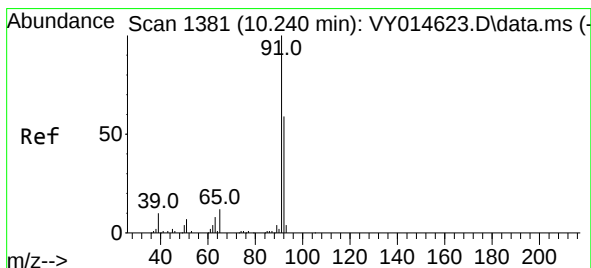
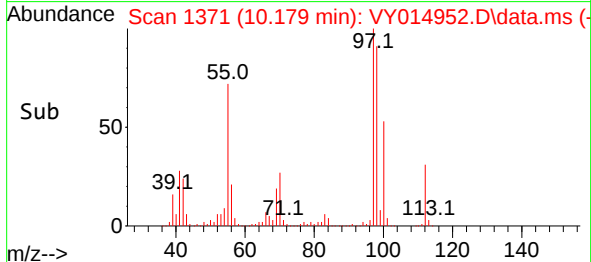
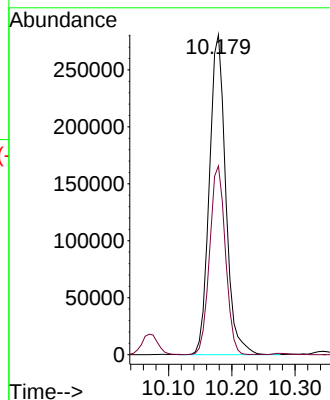
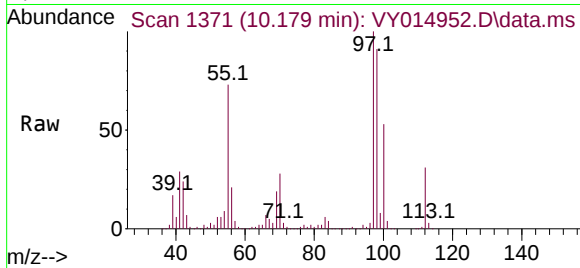




#50
Toluene-d8
Concen: 57.303 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

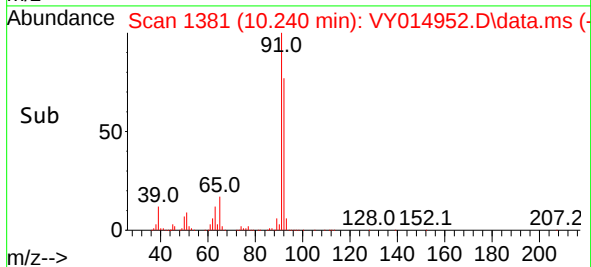
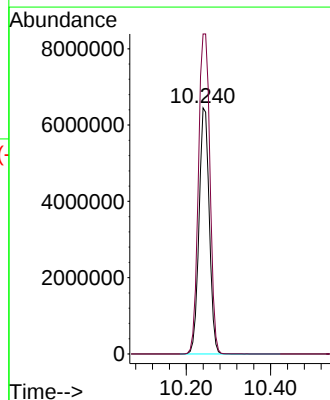
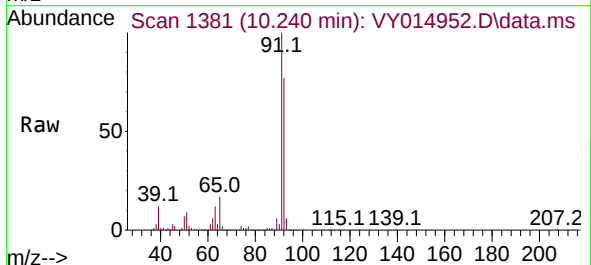
Instrument :
MSVOA_Y
ClientSampleId :
1272

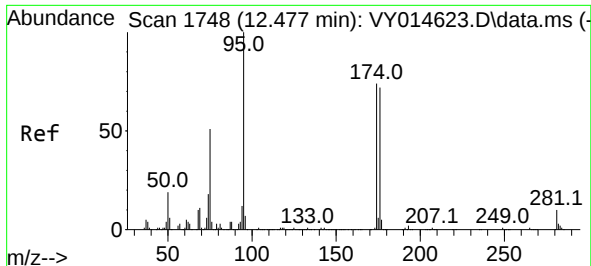
Tgt Ion: 98 Resp: 505146
Ion Ratio Lower Upper
98 100
100 56.8 50.1 75.1



#52
Toluene
Concen: 1671.355 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

Tgt Ion: 92 Resp:10876409
Ion Ratio Lower Upper
92 100
91 146.6 143.8 215.6

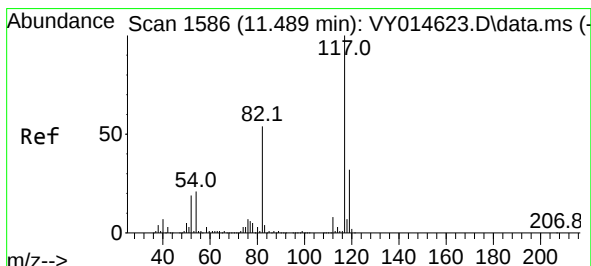
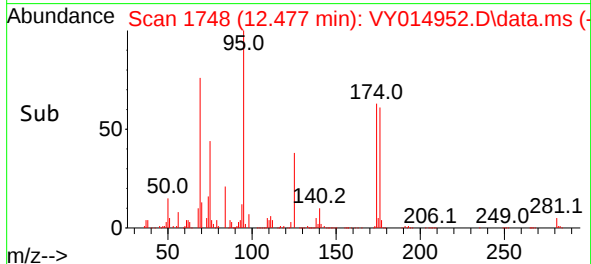
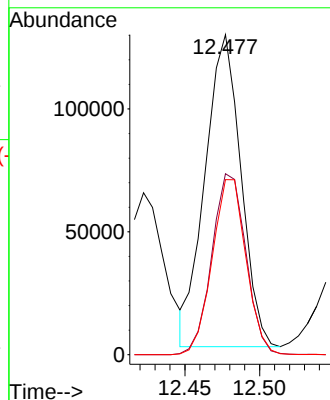
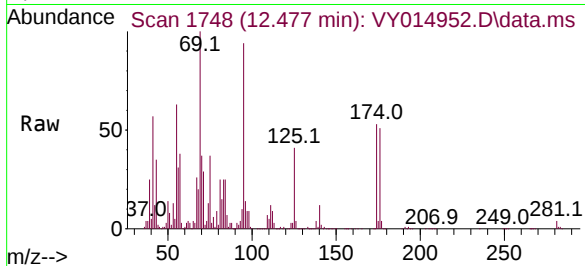




#62
4-Bromofluorobenzene
Concen: 62.544 ug/l
RT: 12.477 min Scan# 11272
Delta R.T. 0.000 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

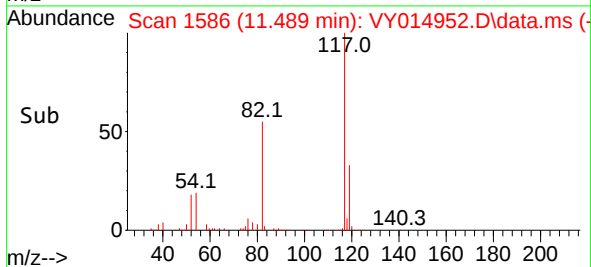
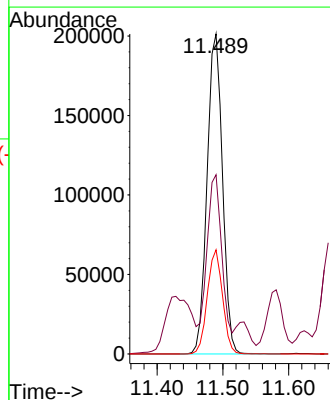
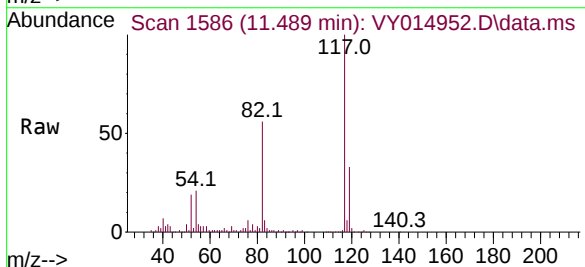
Instrument :
MSVOA_Y
ClientSampleId :
1272

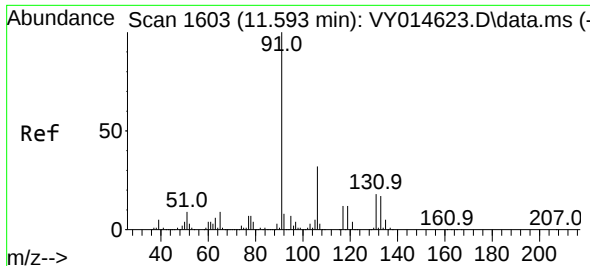
Tgt Ion: 95 Resp: 211406
Ion Ratio Lower Upper
95 100
174 55.2 0.0 178.2
176 53.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

Tgt Ion: 117 Resp: 327758
Ion Ratio Lower Upper
117 100
82 40.3 43.4 65.0#
119 32.6 26.3 39.5





#67

Ethyl Benzene

Concen: 159.856 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014952.D

Acq: 03 Aug 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

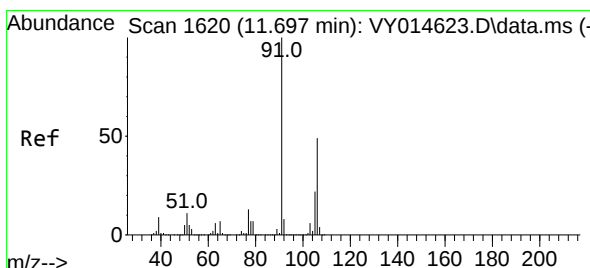
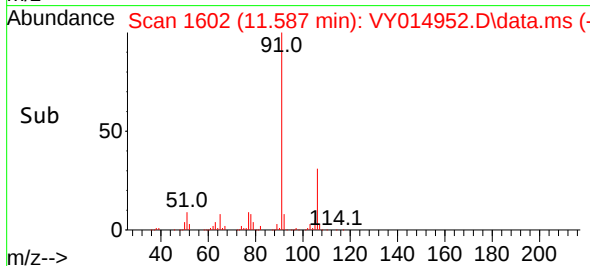
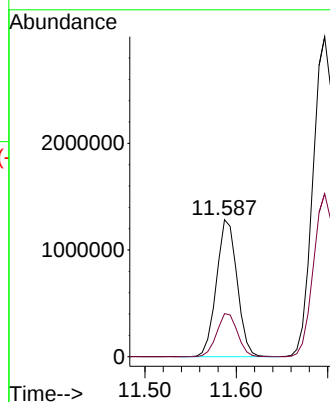
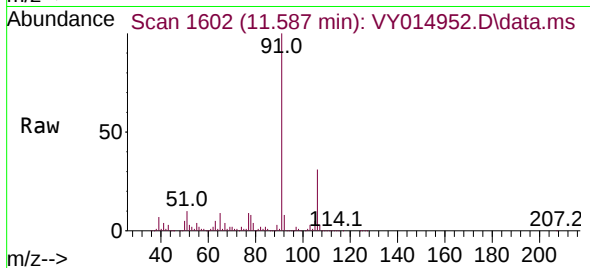
1272

Tgt Ion: 91 Resp: 2015858

Ion Ratio Lower Upper

91 100

106 31.4 24.6 36.8



#68

m/p-Xylenes

Concen: 541.789 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VY014952.D

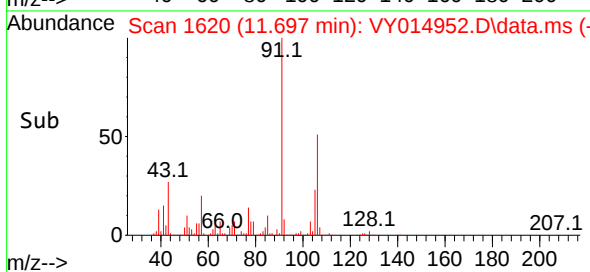
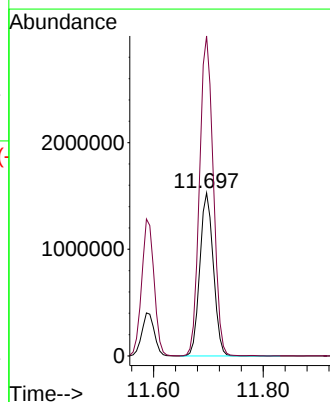
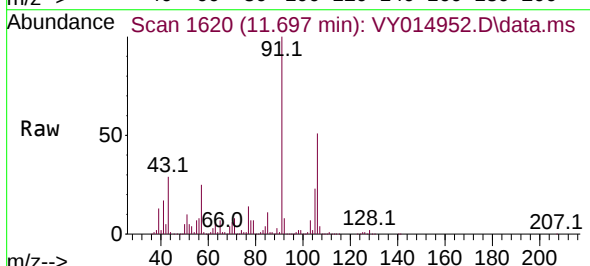
Acq: 03 Aug 2023 16:39

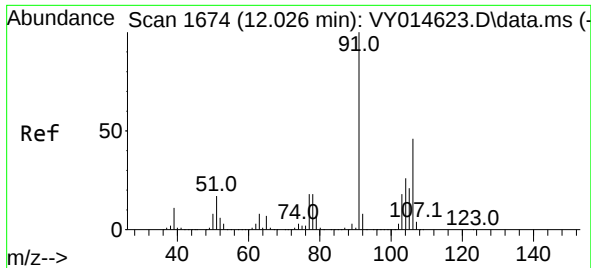
Tgt Ion:106 Resp: 2608022

Ion Ratio Lower Upper

106 100

91 199.9 166.1 249.1

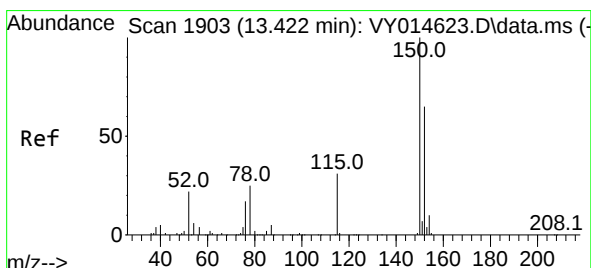
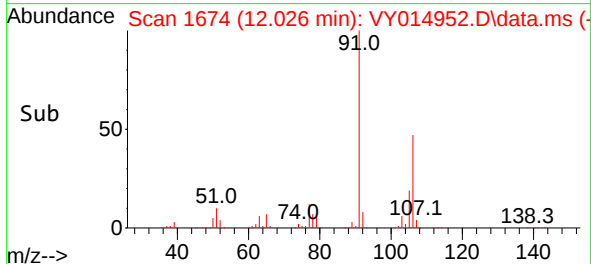
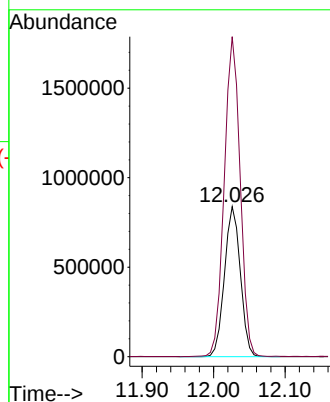
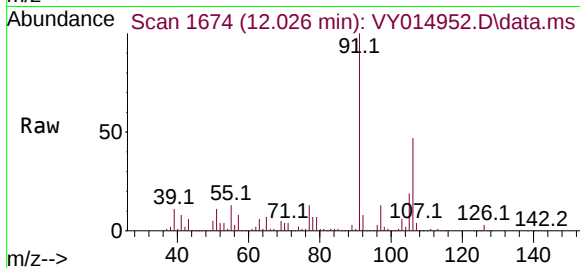




#69
o-Xylene
Concen: 275.007 ug/l
RT: 12.026 min Scan# 11272
Delta R.T. -0.000 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

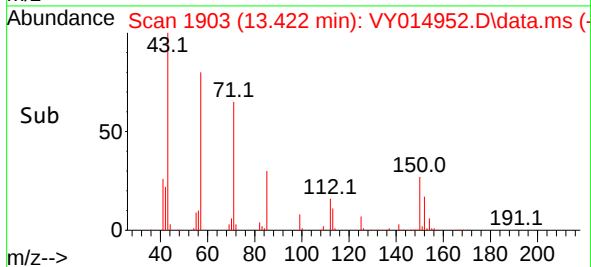
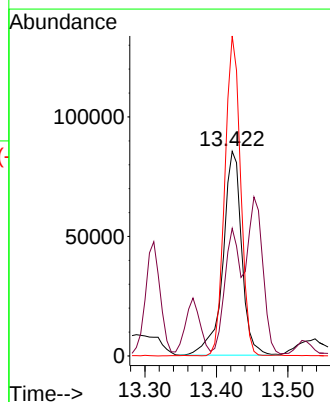
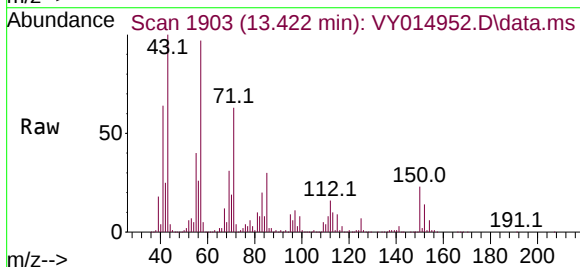
Instrument :
MSVOA_Y
ClientSampleId :
1272

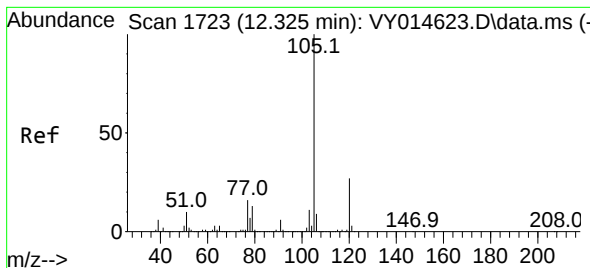
Tgt Ion:106 Resp: 1289401
Ion Ratio Lower Upper
106 100
91 214.5 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

Tgt Ion:152 Resp: 155089
Ion Ratio Lower Upper
152 100
115 48.5 28.8 86.5
150 132.0 0.0 348.8





#73

Isopropylbenzene

Concen: 53.464 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. -0.000 min

Lab File: VY014952.D

Acq: 03 Aug 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

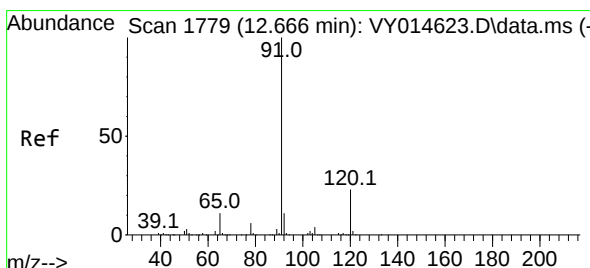
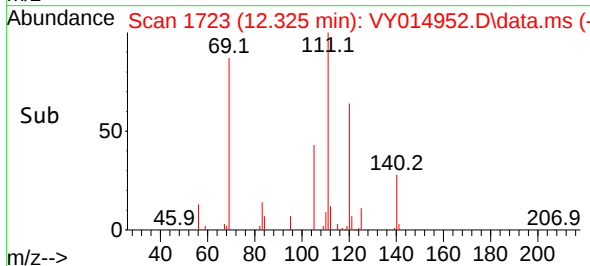
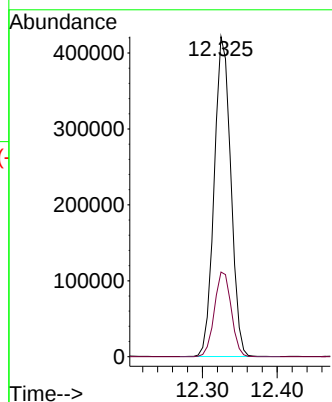
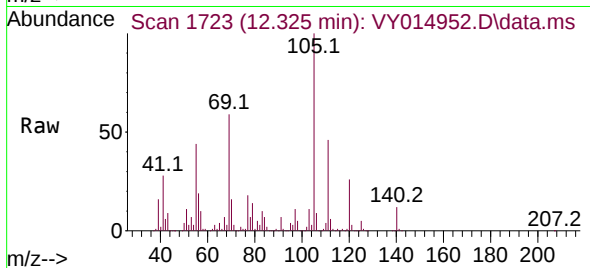
1272

Tgt Ion:105 Resp: 649246

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#78

n-propylbenzene

Concen: 158.193 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY014952.D

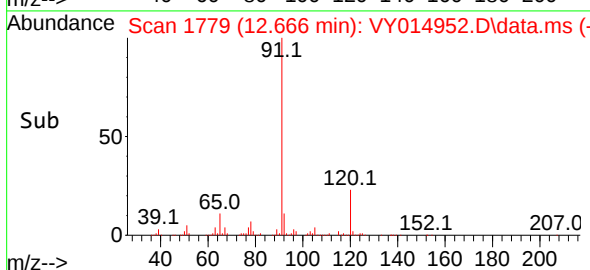
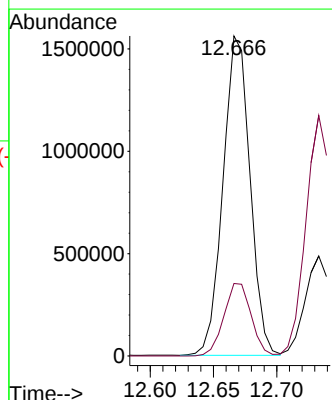
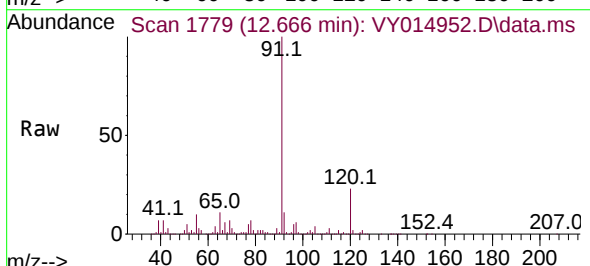
Acq: 03 Aug 2023 16:39

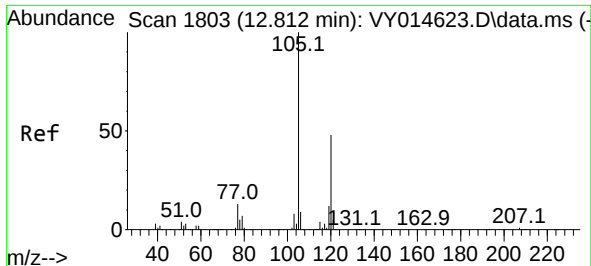
Tgt Ion: 91 Resp: 2314855

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4

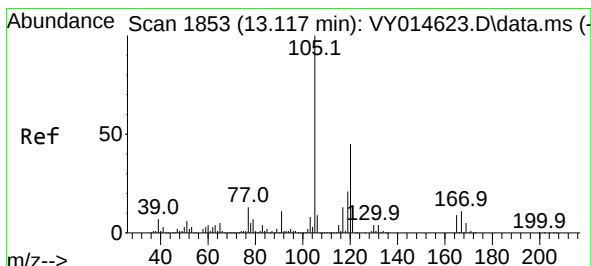
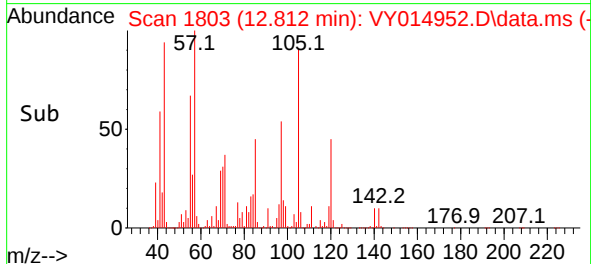
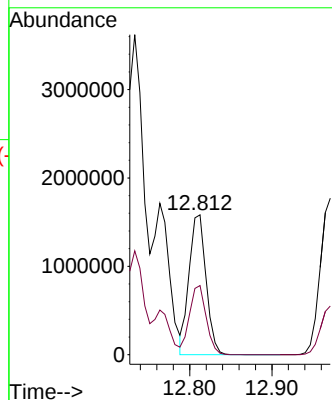
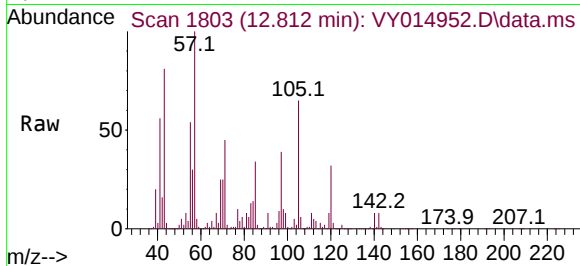




#80
 1,3,5-Trimethylbenzene
 Concen: 223.599 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VY014952.D
 Acq: 03 Aug 2023 16:39

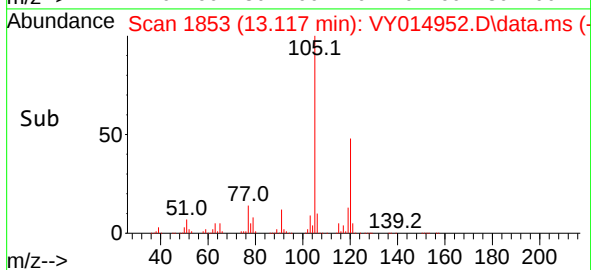
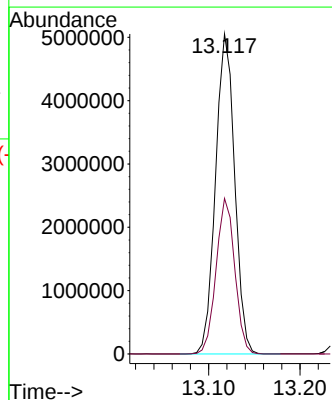
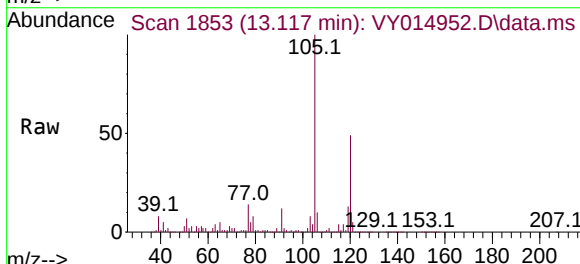
Instrument :
 MSVOA_Y
 ClientSampleId :
 1272

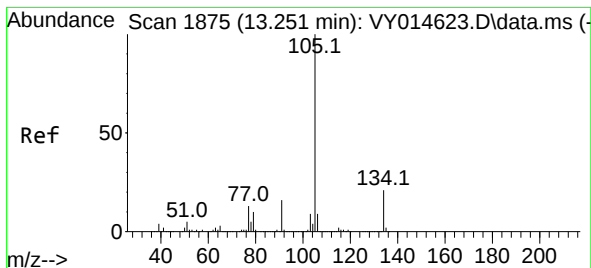
Tgt Ion:105 Resp: 2267656
 Ion Ratio Lower Upper
 105 100
 120 48.7 23.9 71.7



#84
 1,2,4-Trimethylbenzene
 Concen: 737.111 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VY014952.D
 Acq: 03 Aug 2023 16:39

Tgt Ion:105 Resp: 7336323
 Ion Ratio Lower Upper
 105 100
 120 47.4 22.2 66.6





#85

sec-Butylbenzene

Concen: 68.675 ug/l

RT: 13.251 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014952.D

Acq: 03 Aug 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

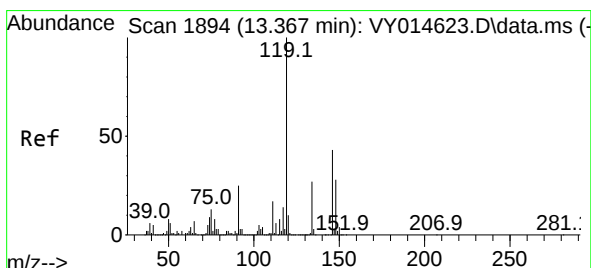
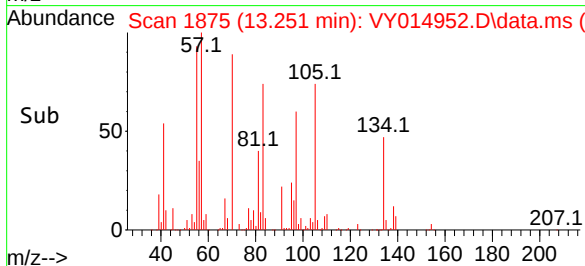
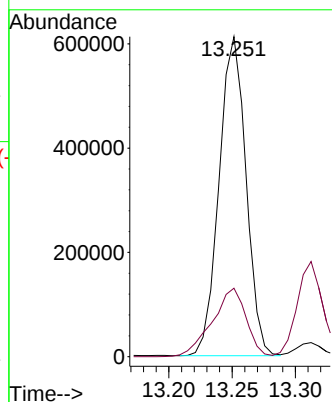
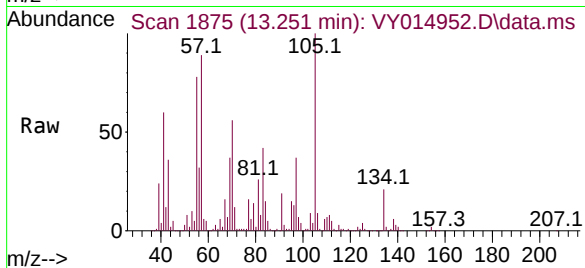
1272

Tgt Ion:105 Resp: 906303

Ion Ratio Lower Upper

105 100

134 27.1 10.2 30.6



#86

p-Isopropyltoluene

Concen: 41.774 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY014952.D

Acq: 03 Aug 2023 16:39

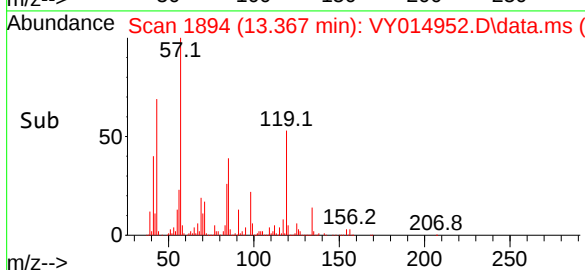
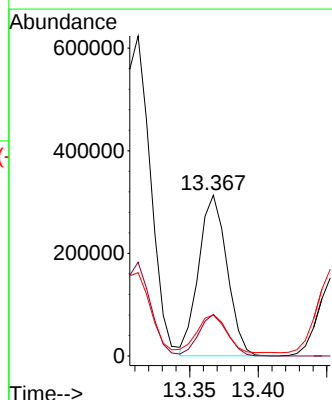
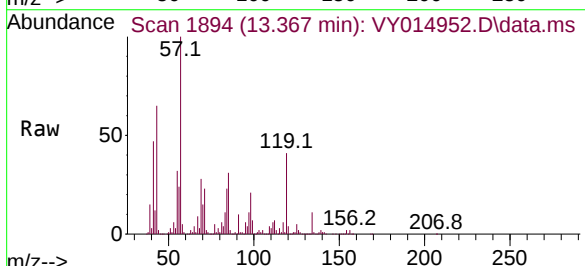
Tgt Ion:119 Resp: 450110

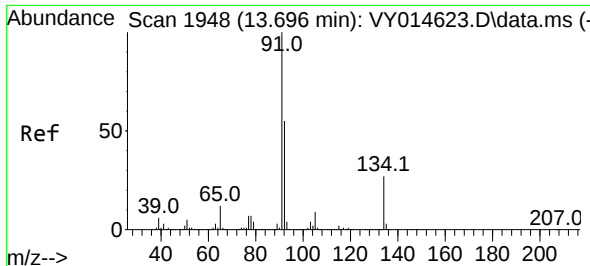
Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.8

91 24.0 12.4 37.4

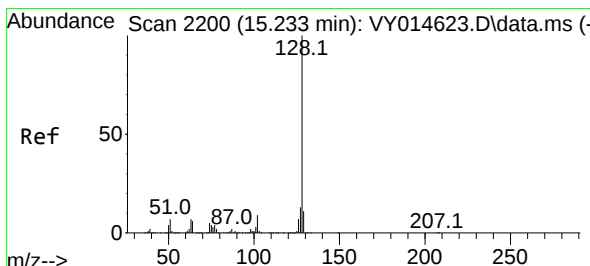
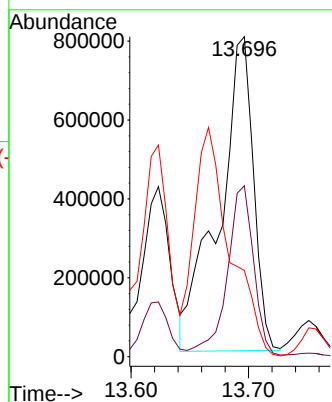
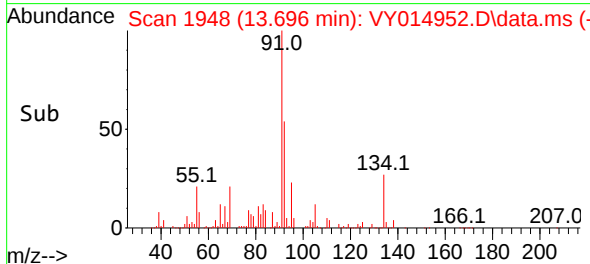
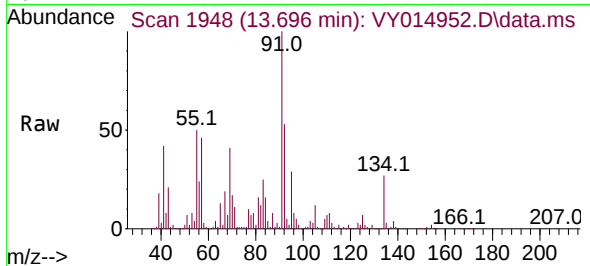




#89
n-Butylbenzene
Concen: 154.707 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

Instrument :
MSVOA_Y
ClientSampleId :
1272

Tgt Ion: 91 Resp: 1621786
Ion Ratio Lower Upper
91 100
92 41.0 25.4 76.0
134 0.0 12.6 37.6#



#95
Naphthalene
Concen: 34.588 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY014952.D
Acq: 03 Aug 2023 16:39

Tgt Ion:128 Resp: 252839
Ion Ratio Lower Upper
128 100
127 15.1 10.8 16.2
129 14.5 8.6 13.0#

